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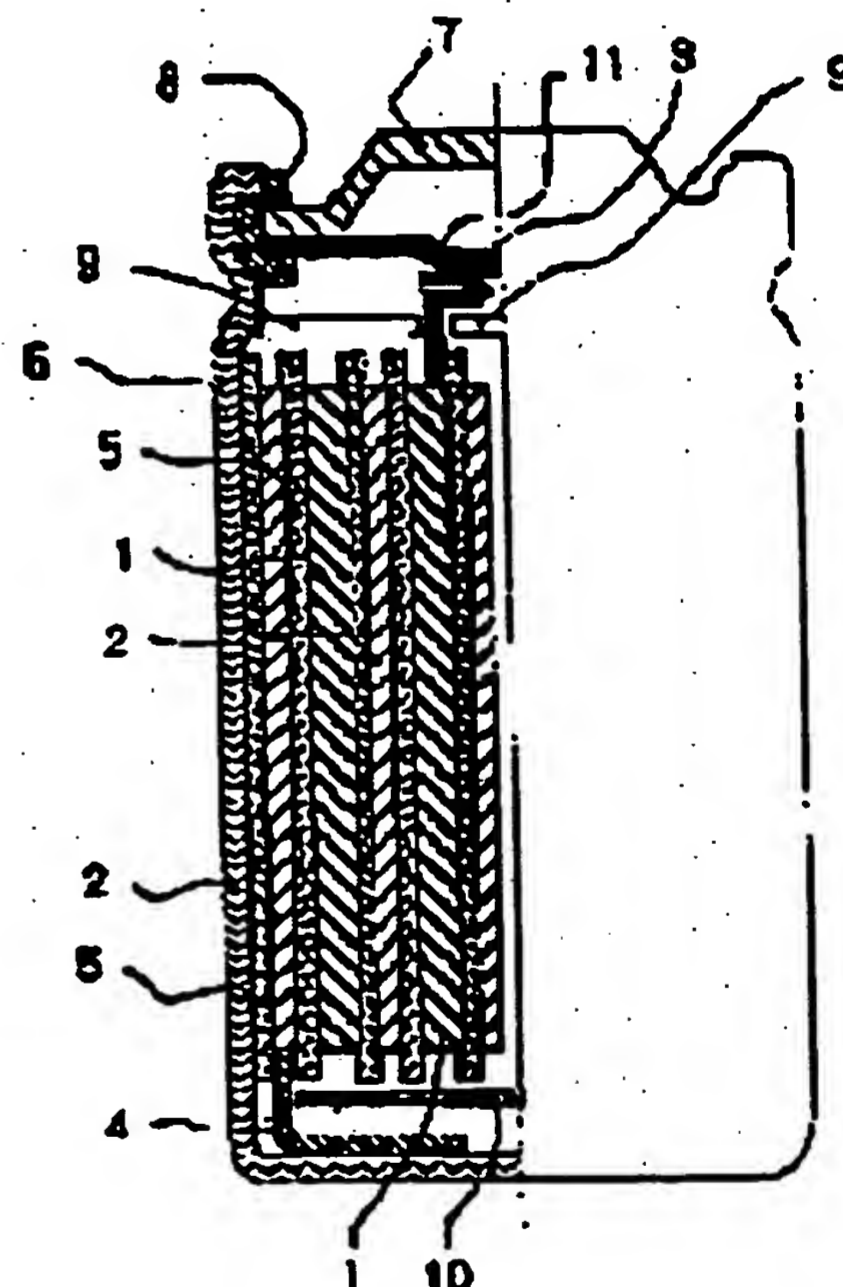
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(54) NONAQUEOUS ELECTROLYTE SECONDARY BATTERY AND MANUFACTURE THEREOF

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a nonaqueous electrolyte secondary battery which is superior high-temperature battery characteristic (especially, repeating lifetime characteristic) and has high reliability of safety.

SOLUTION: This secondary battery is formed of a negative electrode 2 using a material capable of storing and discharging lithium as the active material, a positive electrode using a material capable of absorbing and discharging lithium as the active material, and the nonaqueous electrolyte obtained by dissolving the lithium salt as the electrolyte in the nonaqueous solvent. In this case, the binder of the active material of one or both of the negative electrode and the positive electrode is composed of the polyimide resin having 500-3,000 MPa for the modulus of elasticity, and the nonaqueous electrolyte includes a material, which reacts with alcohol so as to generate the compound having superior fire resistance.



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